

APPLICATION FOR PATENT
Title – ONE PAGE PURCHASING SYSTEM

<u>Contents</u>	<u>Pages</u>
Utility Patent Application Transmittal	1
Background of the Invention	2-5
Summary of the Invention	6-10
Purchase Document System (over \$ _____)	
Workflow	11,12
Purchase Document (PD)	13
Worksheet – Fixed Assets	14
Worksheet – Expenses	15
Purchase Short Order System (under \$ _____)	
Workflow	16
Purchase Short Order (PSO)	17
Contract Purchase System	
Workflow	18
Contract Purchase (CP)	19
Worksheet	20
Action Change Request	21
Vendor Payment System Workflow	22
Bank Remittance Sheet	23
Statement to Vendor	24
Computer Software Programs	25-29
Inventor's Claims	30-32
Abstract of the Disclosure	33

This application filed by Harold F. Hynes, replaces a Provisional Patent Application, entitled, ONE PAGE PURCHASING SYSTEM, 60/232422, filed September 14, 2000 by Harold F. Hynes.

THE ONE PAGE PURCHASING SYSTEM

BACKGROUND OF THE INVENTION

Every employee or group of employees of an organization requires materials from outside vendors for new, continuing, or replacement uses, in performing their jobs. This process of 30 or more steps is capsuled as (1) identifying and justifying the need, (2) selecting the vendor, (3) communicating the need to the vendor, (4) receiving the materials ordered, and (5) paying the vendor. A listing of conventional purchasing functions is shown at the end of this section. Materials can range from inexpensive office supplies to production items and expensive equipment. They may be treated as an expense for inclusion in the profit and loss statement, or capitalized as a fixed asset, or shown on the balance sheet as inventory.

As an organization grows in numbers of employees, management controls in the form of policies and procedures become more exacting, and the increased volume of purchasing becomes the responsibility of experienced full time purchasing people. These directions entail formal systems and procedures to assure that the organization gets the right: item, quantity, quality, price, timing, warranty, credit terms and sources, with the right cost of purchasing.. Sometimes such services become ineffective and need correction.

TRADITIONAL SYSTEMS have approval limits assigned to specific jobs which are observed by the requirer in preparing a purchase requisition. The requisition goes to a specialist in the purchasing department who lends his talent to the "right" requirements and prepares a purchase order sent to the vendor. If required, vendor acknowledges the order. Vendor sends the item ordered to the organization's receiving department, along with a shipping document. Receiving checks the contents against the document list and sends the item to the requirer. An invoice, showing the amount due is received from the vendor and is checked for accuracy and matched against the purchase order. These are matched against an advice from the requirer that the proper items were received and should be paid for. Accounting entries are made to charge the items and credit accounts payable. Instructions to make payment are sent to the "payment department". A monthly statement is received from the vendor listing the invoice and any others received. The invoices approved are checked against the statement. Upon approval, a check is prepared and sent to the vendor. Accounting entries are made to accounts payable and cash.

KEY ACTION POINTS which require approval or completion are (1) authorized approval of purchase requisition, by requirer, (2) approval of purchase order sent vendor, (3), acknowledge by vendor (if requested), or acceptance of order by vendor, (4) receipt of material by receiving department, (5) receipt of material by requirer, (6) approval for payment, and (7) check signed.

DOCUMENTS are prepared to: (1) provide guidelines for purchasing, (2) justify the purchase, if required, and are (3) purchase requisitions, (4) purchase orders, (5) vendor acknowledgments or acceptances, (6) shipping documents, (7) receipts by receiving department, (8) advices to requirer, (9) approvals of requirer, (10) approvals of invoice, (11) approvals of statement, (12) preparations of check, (13) making accounting entries, and (14) bank statements. Some of these

are being performed electronically and some steps may be voided when the size, type and frequency of orders permits.

ERRORS, TIME DELAYS AND HIGH COSTS are encountered in existing systems as a result of transferring and verifying data from one document to another, handling paper work, creating massive files and unnecessary costs of all these steps, plus possible excessive purchase prices. Also, invoices and vendor statements may include items not yet received.

SUMMARY OF THE INVENTION describes the methods and systems for solving these problems.

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CONVENTIONAL PURCHASING FUNCTIONS

A. Introduce purchasing policies and procedures including security and scheduling controls

B.. For each item(s) to be ordered:

1. Establish need
2. Meet company objectives
3. Assure money available
4. Secure necessary approval
5. Determine:
 - a. Right item
 - b. Right quantity
 - c. Right quality
 - d. Right price
 - e. Right timing
 - f. Right warranties
 - g. Right credit terms
 - h. Right source
6. Place order with vendor
7. Secure confirmation (if necessary)
8. Be advised of delivery date (if necessary)
9. Receive item and packing document
10. Verify quantity and acceptability of item from packing document
11. Send item to user or inventory location
12. Compare item or packing document to purchase order

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13. Receive vendor's invoice
14. Invoice recipient compares invoice with purchase order
15. Recipient checks addition on invoice
16. Accounts payable is set up for amount due vendor
17. Charges are made to asset or expense accounts
18. Vendor's statement is received
19. Vendor's invoices are checked against statement
20. Payment is scheduled
21. Check is prepared and sent vendor
22. Accounting entries are made to cash and accounts payable
23. Make any necessary disposition of items replaced
24. Fixed asset items are physically numbered, if necessary – with control list
25. Depreciation is set up for new fixed asset items
26. Depreciation of any fixed assets replaced is processed.
27. Accounting cutoff dates are made available
28. Audit and security trails are applied
29. Backup file provided for "lost" documents.

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THE ONE PAGE PURCHASING SYSTEM

SUMMARY OF THE INVENTION

The system is designed to cover the 30 steps of purchasing for the buying company, using a single document which moves through these steps to accomplish the necessary actions in a tracked system. This is done electronically without human intervention except for preparation of the order, acknowledging receipt of the merchandise, and having spot security and audit checks of its performance. An electronic program extends the system to deposit the payment due, into the bank account of the vendor.

Three methods of purchasing for commercial organizations are embodied in the ONE PAGE PURCHASING SYSTEM. One for all orders over a fixed dollar amount, except for contract orders, is called Purchase Documents (PD). Another is for the contract orders, called Contract Purchases (CP). The third is for purchases less than the fixed amount, called, Purchase Short Orders (PSO). The last two, with proper approval can be ordered directly by the requirer, from the vendor, following the procedures outlined here. The PD method requires processing through the purchasing department. All three methods are performed and communicated through the use of electronic devices, such as computers. In the preparation stages of the order on the computer, use is made of a Purchase Resources program available by using computer windows. A permanent Purchase Tracking and Action System (PTA) is used at the time of ordering which sets up the order with expected dates of action and instructions for computer actions to complete the necessary computer steps, along with a signal for necessary follow-up. Similarly, a storage file system is used in the event of a computer breakdown.

All three methods will eliminate the conventional purchase requisitions, purchase orders, shipping documents, vendors invoices and statements. This is achieved by the buyer using one of the three order forms described here for each of the three methods, which shows the exact total cost to be paid the vendor. In addition, a Purchase Worksheet used in the computer may facilitate preparation of the order. When the order is signed and given a number, the PTA starts processing and tracking the order. The PTA Emails the order to the vendor who confirms the order and amount by electronically signing the form and/or just assigns an invoice number and inserts it in the document as prescribed, Emailing it back to the PTA, - either as a confirmation of the order or when the shipment is being sent, or both. The PTA sends the acknowledged order to receiving putting them on notice for a scheduled delivery, with an expected date of delivery for follow up. When the item is shipped, the vendor prints a bar coded label with the buyer's order number, and the vendor's "invoice" number, which is attached to the package. Upon receipt, by the receiving department, the label is read to produce a copy of the order on a hand held computer reader to check receipt of the items ordered, thereby eliminating the need for a shipping document from the vendor and not have to verify a shipping document against the order. The receiving person electronically signs the order and sends it to PTA for updating the tracking system. The PTA sends it to the requirer which is advising them that the package has arrived and will be available. The requirer upon receipt, electronically signs the order and returns it to the PTA which has a waiting date for follow up. PTA will carry the order as an open document at all times, and as actions are completed, they will be verified for correctness and completeness.

PTA begins activating each order immediately upon the first approval by the requirer, and continues to move and keep track of the order through to its last step in the process. The document is used to recognize the successive steps and when each step is completed, the person, responsible, will click the cursor in the circle for the next action, showing a dot in the circle, which moves it to the next step.

If he cannot comply with the order, or doesn't understand it, he will delete the dot in the circle which directed the action to him, and also the dot in the circle which preceded his own circle. This will automatically produce a form on his computer called, Action Change Request. (ACR), which he can use to explain the problem and possible solution. He will click the preceding circle to send it back to the previous step for action. This will put the system on notice that a delay is in process and set a follow up date by PTA. Similarly the action will continue to reverse until the right person takes the necessary action. Then it goes back on track.

In taking the successive steps covered by the document, requiring approvals, dates, etc. such preexisting items will be locked in on the document and not available for change by the new recipient, and can only be changed by the previous recipient for his participation.

Requirer's final approval, clicking for the next action leads to an automatic electronic set of payment procedures, using the payment directions in the system, but also shown on the document. Upon setting up the payment schedule and also making the payment through the bank, the scheduled dates will be filled in electronically and the circles for each will show a dot to verify on the document that these steps have been taken, as scheduled.

The accounting entries coupled with these transactions closely mirror actual receipts of items and the details shown on the order is a quick and complete record of the transactions for ready reference and use in checking security and auditing.

The PTA will follow its computer program for making the accounting entries of charges and accounts payable, and add the total amount of each order to a 30 day accumulation of orders in the vendor's account, showing order number, invoice number and amount for each order. A payment schedule will be arranged in advance with the vendor to pay the 30 day total on a certain date in order to spread payments for all the vendors, to meet cash needs.

The vendors would be paid from a special vendors payment bank account, sent directly by wire to the vendors bank accounts. Large buyers would continually be on line with their bank to process payments to vendors by wire, as scheduled.. The smaller volume companies can use a Remittance Sheet. Daily, PTA will Email a Remittance Sheet listing the payments for all scheduled vendors, to the buyer's bank, for them to wire these amounts to the respective vendors' banks, using the vendors banks' deposit codes supplied with the list.

The online bank service would send a daily confirmation of scheduled payments completed, to the purchaser. In the case of a Remittance Sheet, the buyer's bank Emails the Remittance Sheet back to the treasurer's Vendors Payment Computer System (TC) after inserting the reference number of the wires sent each vendor's bank, with a signature of confirmation. - along with a daily cash statement showing a summary of the cash transactions and cash balances in this special vendor payment account. Upon electronically reconciling the account, TC will use this as a basis for accounting entries to accounts payable and cash, with supporting entries in each vendor's account. Similarly, on line service would use cutoff points to effect the same results. These single payments to each vendor will be confirmed to the vendor by TC Emailing a

vendor's statement listing the orders and invoice numbers, and amounts, with the wire number.. This replaces receiving and processing a statement from the vendor and proving the merchandise being received, (and not always received before being invoiced). The system pays on the basis of items received

TC will complete the individual orders by entering the dates of payment, payment reference and the amount paid. The order will be filed by its number and vendor's name and number of invoice. The vendor's statement will be filed by vendor's name, reference number and dates. These will go into a semi-permanent file with a retention period and the permanent file will be updated similarly. Any failure in the system, such as a lack of signature or delays will cause a return of the order to the previous action point, and uncorrected situations will return to the purchasing department (or requirer) to handle personally when a time limit is exceeded.

The special vendor payment bank account would be carried as an imprest fund. Enough balance would be maintained to justify the "free" service charges for processing vendor payments. At periodic dollar points, sufficient amounts would automatically be transferred from a general account to cover the payments disbursed, and shown in the continuing available cash report.

The above basic steps apply to all three purchasing methods, but the method for items Over a Given Amount (PD) requires greater attention to the justification for the items order, and the care taken to secure the right requirements. These can be incorporated in the PTA system and be made a more identifiable supplement to the Purchase Document (PD), as the Purchase Worksheet (PW) for either fixed assets or expense items. It would originate with the requirer along with the PD, and provide the basis for working with the purchasing department to produce a PD to send the vendor. The purchasing department would add (PW) as a supplement number to the PD number and this would only be accessed by the requirer, the purchasing department, or the security and auditing people, but it would accompany the PD as part of the data base semi-permanent and permanent files.

For those repeated Contract Purchases from specific vendors to keep the production line flowing, use of the one page system has an advantage over just supplying the vendor with production schedules as a basis for sending merchandise. It keeps a tighter control of orders and payments for the buyer. Orders can be prepared and sent Email automatically with preparation of production schedules, and the order form remains a direct control over receipt of merchandise and payment for individual shipments, as described here.

Eliminating the several documents, with performing the same functions, using electronics, will have major benefits of reducing human errors, time delays, manhours, machine time, and very substantially reduce costs of purchasing and administrative problems. Responsibility for recognizing the amount due would rest with the purchaser, as arranged with the vendors, who also will benefit from these arrangements, including getting paid sooner. A list of profitable features of the One Page Purchasing System is included in this section.

Purchasing guidelines and authorization limits would be available in the computer, plus having product and vendor catalogues, cost data and necessary information on the vendors.

The steps described above are detailed in the following flow charts with suggested forms, and are complemented by a listing of computer software programs for the purchasing system.

PROFITABLE FEATURES OF THE ONE PAGE PURCHASING SYSTEM

(For the Purchaser, Vendor and the Bank)

THE PURCHASER

- () Eliminates processing small orders through the purchasing department.
- () Eliminates handling and mailing of purchase orders to the vendor
- () Eliminates verifying confirmation of orders to the purchase order.
- () Eliminates receipt and handling of vendor's invoice.
- () Eliminates the need to compare invoice to the purchase order.
- () Eliminates the need to compare items received to the invoice.
- () Eliminates the need to compare invoiced prices and additions to the purchase order.
- () Eliminates the receipt and handling of vendor's statement.
- () Eliminates comparing the invoices with the statement.
- () Eliminates the receipt and handling of packing ticket.
- () Eliminates the need to physically follow up on orders pending.
- () Eliminates the need to physically arrange payment to vendor.
- () Eliminates preparation of checks to pay the vendor.
- () Eliminates sending check to vendor.
- () Eliminates physical preparation of accounting entries.

THE VENDOR

- () Electronically uses the Purchase Document to set up their production and shipping requirements.
- () Eliminates need to prepare a confirmation of the order.
- () Eliminates preparation and handling an invoice.
- () Eliminates preparation and handling of a statement
- () Eliminates preparation and handling of a shipping document.
- () Relies on payment schedule agreed upon with purchaser.
- () Eliminates receipt and processing of payments.
- () Speeds up receipt of payment in bank account.
- () Receives a record of invoices paid from the purchaser.
- () Automatically records sales, billing and payments from purchase documents, shipments, and payments.

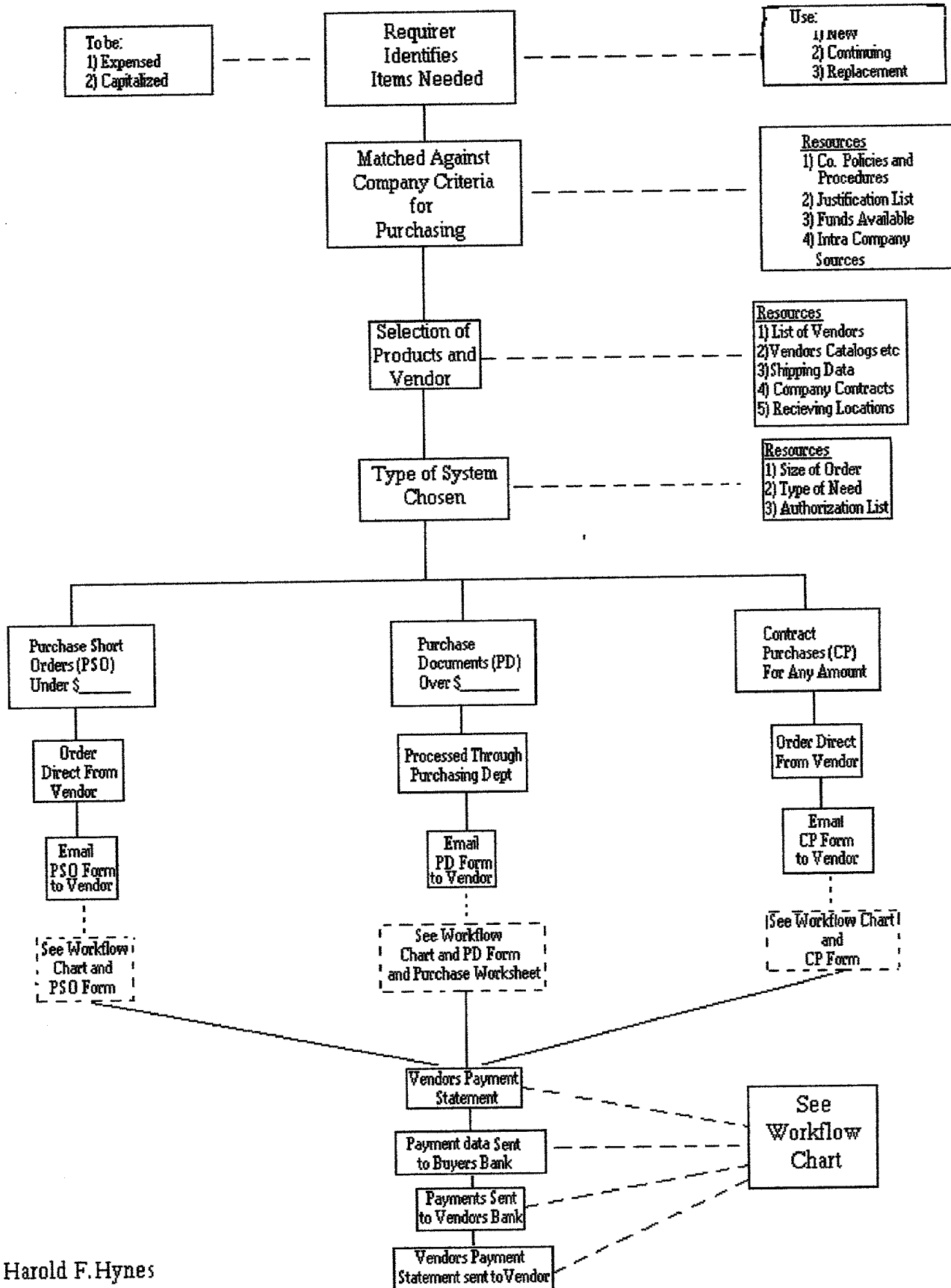
THE BANK

- () Eliminates the need for processing purchaser's checks.
- () Secures a compensating balance for processing payments, or a fee.
- () Automatically secures funds transferred to maintain balances needed.
- () Has possibility of securing accounts from vendors.

Note: As the obvious advantages of the coordination of these functions become widespread, it will continue to increase the dollar savings to the participants

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One Page Purchasing System



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ONE PAGE PURCHASING SYSTEM

Workflow of Purchase Document (PD) - Items Over \$ _____

Action	Location of Action							
	Requirer	PTA*	Purch Dept	vendor	Receiving	Acct.	Follow up	Perm. File
1. Need for item is determined by Requirer	X							
2. Need matched against policies & criteria	X							
3. Identify right purchasing system to use	X							
4. Complete one of two Purchase Worksheets	X							
5. Tentative selection of product and source	X							
6. Prepare Purchase Document (PD)	X							
7. Requirer signs PD and sends to Purchasing	X			X				
8. Purchasing finalizes PD			X					
9. Purchasing assigns number and signs PD			X					
10. Purchasing places PD in Purchase Tracking and Action System PTA			X	X				
11. PTA sets up PD in Follow up and Permanent Systems, with number control							X	X
12. PTA sends PD to vendor				X				
13. If confirmation requested. Vendor acknowledges, sending PD to PTA				X				
4. Vendor fills order, assigns invoice number, and/or signs PD and sends it to PTA				X				
15. Vendor prepares bar code label showing PD and Invoice numbers				X				
16. Vendor attaches label to outside of shipment and ships to Receiving				X	X			
17. PTA sends PD to Receiving, anticipating receipt of shipment					X			
18. Receiving lists PD in work calendar					X			
19. PTA lists number of PD in Follow up with anticipated date of receipt							X	
20. Receiving upon delivery of shipment uses hand held reader-computer to secure PD						X		
21. Receiving checks items, noting on PD						X		
22. Upon verification, Receiving signs PD and sends it to PTA						X		
23. PTA notes delivery in Follow up							X	

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ONE PAGE PURCHASING SYSTEM

Workflow of Purchase Document (PD) - Items Over \$ _____ cont.

Action	Location of Action							
	Requirer	PTA	Purch Dept	vendor	Receiving	Acct.	Follow up	Perm. File
24 PTA Sends PD to Requirer re. delivery	X<-----X							
25. Requirer checks items, signs and sends To PTA	X----->X							
26.PTA notes Requirer acceptance in Follow up and Permanent Files	X----->X----->X							
27. PTA records charges & credits in accounting system	X----->X							
28. PTA lists PD with other vendor's PDs ready for scheduling payment	X (Sent to Vendor Payment System)							

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Purchase Document (PD) No. _____ Items over _____	To: _____ Address: _____ Email: _____	Vendor's Invoice No. _____ Attention _____ Our Acct No. _____
From: _____ Address _____		
Our Email to: _____ Attention _____		Date _____

Receipt Verf.	Description	Your catalog no.	No. of Order Units	Unit Price			Total Cost
				Gross	% dis	Net	
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							

Send order to: _____		Total _____
Via: _____	Attention: _____	Shipping and Handling _____
Charge Acct. _____	Shipping Paid by _____	Duties etc _____
	Requires Delivery by _____	Sales Tax _____
	Mark Bar CodeLabel PD & Invoice No. _____	Total _____

Use for Items: (✓) New	Continuing	Replacement	Dept _____
Location _____		Requirer _____	

Date Received	Action	Completed By			To Next Action
		Type Name	Signature	Date	
	Requirer prepares PD				<input type="radio"/>
	Purchase Dept. Assists				<input type="radio"/>
	Vendor confirms PD				<input type="radio"/>
	Vendor ships Items				<input type="radio"/>
	Receiving Verifies Items				<input type="radio"/>
	Requirer Approves Items				<input type="radio"/>

P D Sched. for Payment on _____		Verf. <input type="radio"/>	Vendors Statement to be Sent on _____		Verf. <input type="radio"/>
Security Reviewed by _____		Date _____	Ref. _____		
Audit Reviewed by _____		Date _____	Ref. _____		
Make Payment to Vendor's Bank _____			Address _____		
Wire Address _____			Vendor's Bank Account No. _____		

Notes Vendor's assignment of invoice number shown above confirms acceptance of order and amount.
 For possible changes needed, delete your action dot and previous action dot, to view Action Change Request form.

PURCHASE WORKSHEET - FIXED ASSETS

PD No. _____ PW
(orders over \$ _____)

Items to be Secured _____
 Where Will They be Used _____
 Shipping Requirements: Urgency _____ Size _____ Weight _____ Shipper _____
 Type of Order: Replacement _____ New Use _____ Addition _____ Total Cost _____
 Could They be Secured by Leasing _____ Cost _____ Benefits _____
 Possible Purchase Sources & Cost _____ Preference _____

Is Bidding to be Used _____
 Possible In-House Source of Idle Equipment _____
 Are Funds Available _____ In Budget _____ Source _____

REPLACEMENTS:

Items Being Replaced _____
 Date of Acquisition _____ Original Book Value _____ Depreciation Reserve _____
 Reason for Replacement _____
 Are Old Items Still in Use _____ Problems _____
 Use for These Items _____
 Any Trade-in or Resale Value _____
 Other Plans for Disposition _____
 % of Working Time used by Items Replaced _____ No. of Users _____ Principal User _____
 Will Replacement Items Have Greater Capacity _____ How Much _____
 Other Justifications _____

NEW USE AND ADDITION ITEMS

What Are Their Uses _____
 Can They Produce More Profits _____ Describe _____
 Other Justifications _____
 Will Special Services, Housing, Safeguarding, Etc. Be Required _____ Describe _____
 What Other New Items Will Be Needed For These Items _____

Expected Useable Life of Items _____ Depreciation Rate _____ Account to Charge _____
 Expected % of Worktime In Use _____ No. of Users _____ Principal User _____
 Other Details _____

Prepared By _____ Date _____ Approved By _____ Date _____
 Audited By _____ Date _____ Reference No. _____

PURCHASE WORKSHEET – EXPENSE ITEMSPD No. _____ PW
(orders over \$ _____)

Items to be Secured _____ Estimated
Cost \$ _____
Why Are They Necessary _____
Where Will They be Used _____
Shipping Requirements: Urgency _____ Size _____ Weight _____ Shipper _____
Possible In House Sources _____ Where _____ When _____ How _____
Possible Purchase Sources & Cost _____
Competitive Prices _____ Use of Bids _____
Preferred Source _____ - Why _____ Cost _____
Notes: _____

NEW USE ITEMS

Will orders be repeated _____ Est. Use _____ Period of Use _____ Frequency of Use _____
Optimum Order Size _____ Storage Problems _____ Quality Needs _____
Volume Price Advantage (quantities & Prices) _____
Related Purchases Necessary _____ Cost _____
Notes _____

CONTINUING USES

Stocking Inventory – Description _____ Location _____ Inventory
Turnover _____
Last Order Date _____ Quantity _____ Consumption Per _____
Last Order Source _____ Contact _____ Price _____
Substitute Products Available _____ Price _____
Notes _____

REPLACING EQUIPMENT – EXPENSED

Items Replaced _____ Age _____ Still Useable _____
Reason for Replacement _____ Planned Disposition _____
Notes: _____

Prepared by: _____ Date _____ Approved by _____ Date _____

ONE PAGE PURCHASING SYSTEM

Workflow of Purchase Short Orders (PSO) - Items Under \$ _____

Action	Location of Action							
	Requirer	PTA	Purch Dept	vendor	Receiving	Acct.	Follow up	Perm. File
1. Need for item is determined by Requirer	X							
2. Need matched against policies & critieria	X							
3. Select PSO form for purchase	X							
4. Select product and source	X							
5. Prepare PSO	X							
6. Secure PSO number	X							
7. Sign, if authorized, or get approved	X							
8. Place PSO in Purchase Tracking and Action System (PTA)	X	----->	X					
(continue with steps 10 – 28 for Workflow of Purchase Document (PD) - Items over \$ _____ except substitute PSO for PD)								

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Purchase Short Order (PSO) No. _____ Items under _____		To: _____ Address: _____ Email: _____		Vendor's Invoice No. _____ Attention _____ Our Acct No. _____			
From: _____		Address _____					
Our Email to: _____		Attention _____					
Receipt Verif.	Description	Your catalog no.	No. of Order Units	Unit Price			Total Cost
				Gross	% dis	Net	
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
Send order to: _____				Total _____			
Via: _____		Attention: _____		Shipping and Handling _____			
Charge Acct. _____		Shipping Paid by _____		Duties etc _____			
		Requires Delivery by _____		Sales Tax _____			
		Mark Bar Code Label: PSO & Invoice No. _____		Total _____			
Use for Items: (✓) New		Continuing	Replacement	Dept _____			
Location _____			Requirer _____				
Date Received	Action	Completed By			To Next Action		
		Type Name	Signature	Date			
	Requirer prepares PSO.				<input type="radio"/>		
	Vendor confirms PSO.				<input type="radio"/>		
	Vendor ships Items				<input type="radio"/>		
	Receiving Verifies Items				<input type="radio"/>		
	Requirer Approves Items				<input type="radio"/>		
					<input type="radio"/>		
PSO Sched for Payment on _____		Verif. <input type="radio"/>	Vendors Statement to be Sent _____		Verif. <input type="radio"/>		
Security Reviewed by _____		Date _____	Ref. _____				
Audit Reviewed by _____		Date _____	Ref. _____				
Make Payment to Vendor's Bank _____		Address _____					
Wire Address _____		Vendor's Bank Account No. _____					

Note: Vendor's assignment of invoice number shown above confirms acceptance of order and amount.

For possible changes needed, delete your action dot and the previous action dot, to view Action Change Request form.

ONE PAGE PURCHASING SYSTEM

Workflow of Contract Purchases (CP)

Action	Location of Action					
	Requirer	PTA	Purch Dept	vendor	Receiving Acct.	Follow up Perm. File
1. Need for item is determined by Requirer	X					
2. Need matched against policies & criteria	X					
3. Prepare Contract Purchase Worksheet for order over \$ _____	X					
4. Select CP form for purchase	X					
5. Select product and source	X					
6. Prepare CP	X					
7. Secure CP number	X					
8. Sign, if authorized, or get approved	X					
9. Place CP in Purchase Tracking and Action System (PTA)	X ↔	X				
(continue with steps 10-28 for Workflow of Purchase Document (PD) – items over \$ _____ except substitute CP for PD.						

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Contract Purchase (CP) No. _____	To: _____	Vendor's
	Address: _____	Invoice No. _____
	_____	Attention _____
	Email: _____	Our Acct No. _____

From: _____	Address _____
Our Email to: _____	Attention _____

Receipt Verf.	Description	Your catalog no.	No. of Order Units	Unit Price			Total Cost
				Gross	% dis	Net	
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							
<input type="radio"/>							

Send order to: _____		Total _____
Via: _____	Attention: _____	Shipping and Handling _____
Charge Acct. _____	Shipping Paid by _____	Duties etc _____
	Requires Delivery by _____	Sales Tax _____
	Mark Bar CodeLabel: CP & Invoice No. _____	Total _____

Use for Items: (✓) New	Continuing	Replacement	Dept _____
Location _____		Requirer _____	

Contract Dates From		to			Vendor Rep.
Date Received	Action	Completed By			To Next Action
		Type Name	Signature	Date	
	Requirer prepares CP				<input type="radio"/>
	Vendor confirms CP				<input type="radio"/>
	Vendor ships Items				<input type="radio"/>
	Receiving Verifies Items				<input type="radio"/>
	Requirer Approves Items				<input type="radio"/>
					<input type="radio"/>

CP Sched. for Payment on _____	Verf. <input type="radio"/>	Vendors Statement to be Sent _____	Verf. <input type="radio"/>
Security Reviewed by _____	Date _____	Ref. _____	
Audit Reviewed by _____	Date _____	Ref. _____	
Make Payment to Vendor's Bank _____	Address _____		
Wire Address _____	Vendor's Bank Account No. _____		

Notes Vendor's assignment of invoice number shown above confirms acceptance of order and amount.
For possible changes needed, delete your action dot and the previous action dot, to view Action Change Request form.

CONTRACT PURCHASE WORKSHEET

(Over \$ _____)

Worksheet for Contract No. _____

Worksheet for CP order No. _____

Name of Vendor _____ Address _____ Email _____
 Contract: CP file No. _____ Products _____ See File _____
 Contract Date _____ Signed: CO. _____ Vendor _____
 Type of Contract _____ From _____ To _____
 Products Shipped From _____ Best Shipping Services _____ No. Days. _____
 Basis for Shipping & Handling Charges _____:
 Basis for Other Charges _____

PURCHASES FOR LAST FOUR QUARTERS

Ending	Amount
_____	\$ _____
_____	_____
_____	_____
_____	_____

This Purchase

LAST FIVE PURCHASES

Date	Quantity	Amount	NO'S OF UN-FAVORABLE RATINGS
_____	_____	\$ _____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

RATINGS OF VENDOR FOR THIS PURCHASE

EXCEL. GOOD FAIR POOR

NOTES

Right: Items	NO.	
Quantity	1.	_____
Quality	2.	_____
Timing	3.	_____
Product Service	4.	_____
Warranties	5.	_____
Credit Terms	6.	_____
Working Relations	7.	_____

Our Deficiencies _____

Possible Improvements _____

Receiver's Name _____ Date Received _____

Notes on Changes Made: _____

(This form serves (1) as a permanent updated guide for new purchases, retrieved from the Vendor's contract file, and (2) as a report on the vendor's performance for the current purchase when reviewed with the CP form at time of receiving items)

ACTION CHANGE REQUEST

ORDER NUMBER:

By:

PD

PSO

Contract

Email Contact

Requirer:

Date

Item(s) Questioned:

Requested Action:

Reason:

Reviewed by:

Referred to:

Comments}

Return to

Click Here ☐

Action Taken:

Form of Change Made:

Order Changed

Order Cancelled

New Order Placed

Delayed to

Other

Approved by:

Date:

Next Action ☐

FORM 2-9450-0

ONE PAGE PURCHASING SYSTEM

Workflow of Vendor Payment System (for low volume companies)

Action	Location of Action						
	Computer System			B A N K S			
	PTA	Treas	Acct.	Pymt. Acct	Vendors	General	Purch Vendor
Purchasing secures payment data and arranges Payment schedule with vendor							X X
Purchasing sends data to PTA	X						X
PTA lists data in Research File	X						
PTA sets 30 day pymt sched for vendor	X						
PTA accumulates all vendor's orders in 30 days	X						
PTA prepares daily Remittance Sheet listing Vendors to be paid each day, with banks, accounts And amounts to be wired							
PTA Emails daily list to Company's bank	X						X
Company's bank wires payments same day to Vendors banks					X		X
Company's bank inserts payment numbers on Remittance Sheet					X		
Company's bank Emails Remittance Sheet to Co's Treas. Computer with cash report		X					X
Co's TC reconciles cash account		X					
Co's TC arranges necessary transfer of cash to Pymt account by electronic transfer		X					X
TC puts through computer accounting entries for Charges and credits, including vendors		X					X
TC Emails vendor a statement showing payment, with PD and invoice numbers and payment reference		X					X
TCA sends vendor's payment reports to PTA	X						X

PTA 60" 2945460

VENDOR REMITTANCE SHEET TO: _____ (our bank) _____ Email _____

From: _____ Email _____ Acct. to Charge _____

Please wire these payments to the following banks for their depositor accounts on _____

BANK	ROUTING NO.	DEPOSITOR	ACCT. NO.	AMOUNT	WIRE NO..
------	-------------	-----------	-----------	--------	-----------

Payment Charges_____

Service Charges _____

Total Chg. A/C _____

Completed by: (print) _____ (sign) _____ Date _____

(COMPANY'S NAME)

Email _____ Date _____

Statement to: _____ Email _____ Attention _____

Today we have deposited \$ _____ in your bank account number _____

At _____ for your invoices, with our orders, listed as follows:

Date Mdse. Received	Your Invoice Number	Our Order Number	Amount	Confirmed
------------------------	------------------------	---------------------	--------	-----------

Our bank advises us that their wire reference for this deposit is _____.

If there is an error in these items, please Email a copy of this statement to the above address, showing the item not verified, with any notes.

FORM 245450

COMPUTER PROGRAMS FOR THE ONE PAGE PURCHASING SYSTEM

The System introduces a one page document to replace:

- A purchase requisition – requesting a purchase order for merchandise needed
- A purchase order – to place an order with a vendor
- A delivery document accompanying shipment, for verifying contents
- A vendor's invoice received by the buyer to make payment

And

- The monthly statement received from the vendor would be eliminated

This document would travel electronically to each action location – being electronically signed at each point when action is completed, or vendor approved by assigning an invoice number on the document, and moved to the next location. Related steps would be initiated by the computer to take other completed orders with the same vendor and make necessary payments and accounting entries, etc. based on items received.

Computer programs to be made part of the system are grouped here as:

- A. Resources
- B. The "One Page" Purchase Tracking and Action System
- C. Vendor Payments
- D. Permanent and Storage Files
- E. Security and auditing
- F. Management Reports

A. RESOURCES - would include the following information available in the computer.

1. Description of company's purchasing policies and procedures
2. Schedule of authorization limits
3. Accounting for new and retired fixed assets
4. Accounting for expense items
5. List of idle equipment available in the company
6. List of customary vendor sources, etc.
7. Vendors catalogues, prices and shipping data
8. List of shippers
9. Shipping and handling charges
10. List of company contracts
11. Receiving locations
12. Other resources

B. THE ONE PAGE PURCHASE AND TRACKING SYSTEM

The computer system would have a "Purchasing and Tracking System" to do the following:

1. Provide a data base system to be drawn upon for each new purchase document
2. For each purchase document it would provide:
 - a. A purchase worksheet for backup data supporting the order.
 - b. A copy of the one page order
 - c. A program to have each approver send a copy of the order to the next location.
 - d. A program to have the recipient return the approved copy, updating the preceding base copy (and any action data added)
 - e. A program to set a delivery time schedule with an alarm signal for time failures.
 - f. A program to send an updated copy of the completed stages to storage at a different location.
 - g. A program to read the account numbers from the order for the amounts to be processed into the accounting system when required, showing date of completion and reference data.
 - h. A program to transfer the order data to a statement to vendors
 - i. A program to set up the order document and the purchase worksheet in a permanent active file with number and vendor's identification.
 - j. A program to limit accessibility to these data.

C. VENDOR PAYMENT PROGRAM – would include the following sub programs.

1. A program to group the orders for each vendor to be paid, listed by order number, vendor "invoice" number, and amount, with a cumulative total.
2. A program to balance the number of payments to be processed daily, from A 30 day period of payments due.
3. A program to select the payments to be scheduled each day.
4. A program to continuously list the specific vendor accounts to be processed on line, showing name, vendor's bank account identification, and amount to be paid.
5. A program for the company's bank to send this list to the company's bank for them to wire payments to the vendors' banks.
6. A program to have this list returned, with payment references.
7. A program to send copy of the vendor's payment statement to vendor.

8. A program to receive a daily bank statement showing previous day's cash activity with reconciliation done on the computer.
9. An accounting program to record the accounts payable and cash transactions, including vendors' accounts.

D. PERMANENT AND STORAGE FILES PROGRAM – would include the following sub programs.

1. Instructions for files systems
2. A program for programs
3. Retentions record schedule
4. Index of permanent file – by number, vendor and date
5. Index of storage file – by number, vendor and date
6. Computer file locations
7. Record of search inquiries
8. Record of permanent file restorations
9. Use as a percent of storage capacity

E. SECURITY AND AUDITING PROGRAM – would include the following sub programs:

These programs are designed to find errors and misuse of the existing systems, and recognize deficiencies in the systems. They will be performed by human effort, but assisted by computer programs which will be accessible at appropriate dates and unscheduled timing. Certain situations such as incorrect order numbers or unauthorized documents can be detected by the computer programs, producing an alarm for remedy. Much of the work would be done on a test basis.

1. Control of number system
2. Signals which numbers aren't accounted for.
3. Checking for lack of authorizations
4. Checking for improper changes in order details
5. Checking for existence of justifications.
6. Checking that orders are not padded with excess prices and quantities
7. Checking that merchandise ordered is received and used.
8. Checking that the amounts paid agree with the purchase document
9. Checking for collusion between employees or with vendors.
10. Checking that the amounts paid are reaching the right vendors.
11. Recognizing and preventing hackers attempting to disturb the system and divert funds.

12. Checking competitive opportunities being exercised for selection of vendors.
13. Checking that company policies and practices are being observed.
14. Checking that accounts are properly processed.
15. Checking that the system is functioning correctly with minimum of errors.

F MANAGEMENT REPORTS FOR COMPUTER PROGRAMMING

Responding to the management objectives of optimum profits and financial position, management information for purchasing centers around measuring performance to achieve; the right item, quantity, quality, price, timing, warranty, credit terms and sources, at the right cost of performing the function of purchasing.

Each of these requirements can be related to specific product needs for evaluation, plus measuring the cost of purchasing.

Programs can be introduced to:

1. List sales products by those which have the highest percent of purchased raw materials of their total cost, showing the percent and dollar size of the material cost, along with unit cost of the materials, comparing prior periods – accompanied by action notes
2. Lists annual purchases showing large dollar items by types of use and organizational use, arrayed by dollar size, - also annual purchases by major vendors - accompanied by action notes.
3. List major purchases by percent increase in unit costs over previous Year – accompanied by action notes.
4. List those groups of items, or large items which represent the largest share of the recent inventory compared with a prior period – accompanied by action notes
5. List those items (by significance) which have reduced in price since last year, with percentage reduction and dollar savings. – accompanied by notes.
6. List those (by significance) which have increased in price since last year, with percentage increase and dollar cost –accompanied by notes.
7. Report the split between purchases for fixed assets and expense, for a

representative period, with significant details.

8. Report on purchasing errors for previous quarter, by types, responsibility, and cost. Accompanied by action notes
9. Report on comparative costs of purchasing operations, by type of function and responsibility, with production figures – accompanied by action notes
10. Average number of orders issued daily by the purchasing department
11. Average daily operating cost of the department
12. Average cost per order
13. Number of orders issued per employee each month
14. Number of late deliveries from vendors
15. Percentage of deliveries having errors
16. Number of complaints on resale products
17. Number of complaints from vendors.

Harold F. Hynes